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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Costa et al.

Application No.: 09/332,522

Filed: June 14, 1999

For: Animal Models and Methods  
for Analysis of Lipid Metabolism  
and Screening of Pharmaceutical  
and Pesticidal Agents that  
Modulate Lipid Metabolism

Group Art Unit: 1632

Examiner: Shukla, R.

Atty. Docket No.: EX99-004

TECH CENTER 1600/2900

JAN 24 2002

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**AMENDMENT AND REPLY AFTER FINAL ACTION**  
**(CFR §§ 1.116 & 1.113)**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

This is responsive to the final office action mailed July 3, 2001. The Commissioner is authorized to charge the requisite fee for a three-month extension of time, and any additional required fees, to deposit account no. 50-1108. A Notice of Appeal is filed herewith

**AMENDMENT**

**Amendment to the claims**

Please rewrite claims 1, 13, 22, 23 and 34-36 as follows:

1. (Twice Amended) A *C. elegans* that has been genetically engineered to mis-express an SREBP pathway protein comprising an amino acid sequence selected from the group consisting of SEQ ID NO:2 (SREBP), SEQ ID NO:94 (SCAP), and SEQ ID NO:95 (S2P), or the progeny of said *C. elegans* that has inherited said mis-expression, wherein said mis-expression results in a loss-of-function intestinal defect phenotype.

Dr. Toenke RPS 4/9/03  
Do not enter  
RPS  
Hoyes